

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102241.D
 Acq On : 20 Jan 2018 2:25
 Operator : SJ/JU
 Sample : J1115-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 20 03:06:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

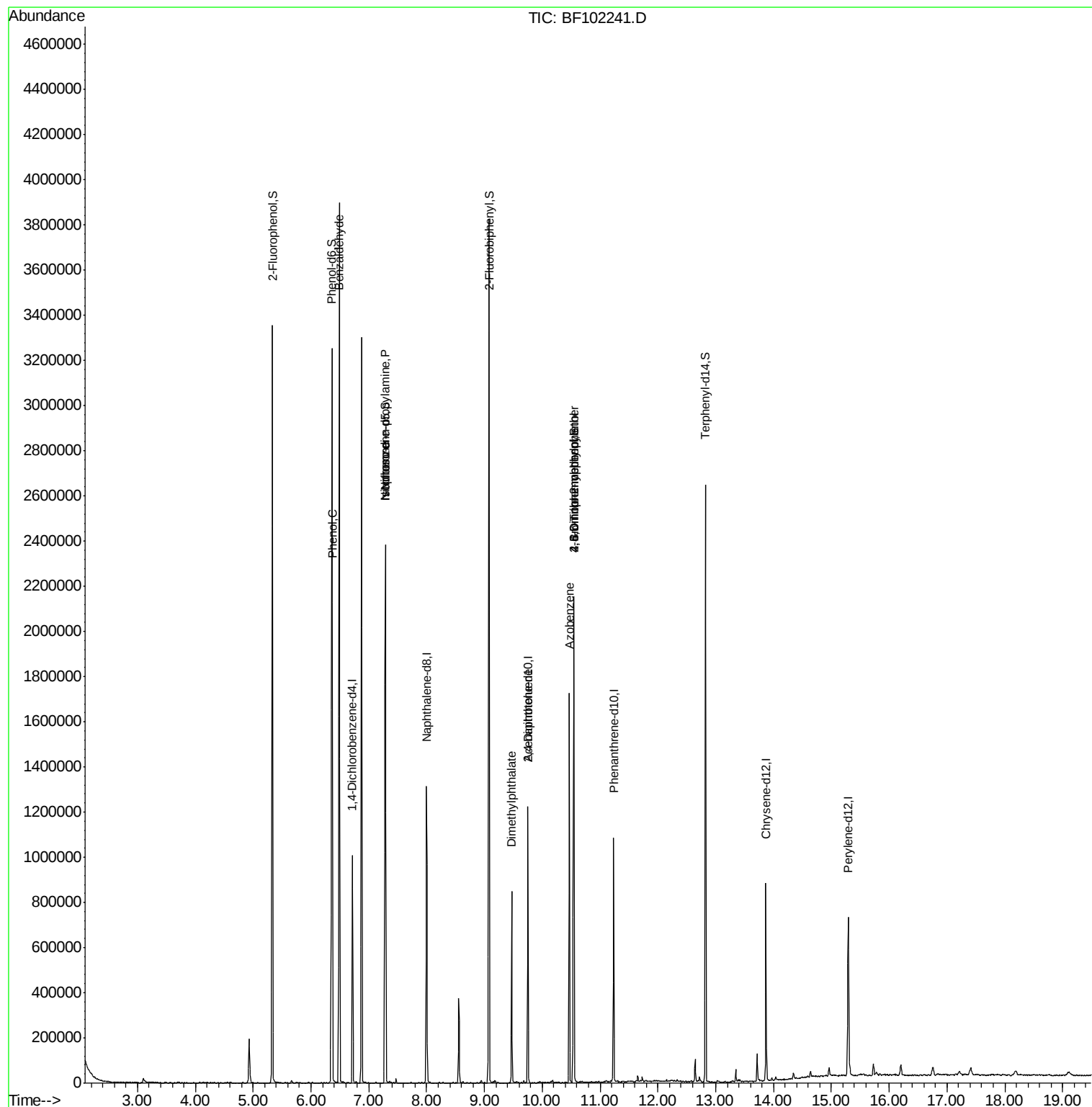
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	143832	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	571348	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	239048	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	364008	20.00	ng	0.00
75) Chrysene-d12	13.87	240	273785	20.00	ng	0.00
86) Perylene-d12	15.29	264	290050	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1100063	108.00	ng	0.00
7) Phenol-d6	6.36	99	1302675	107.19	ng	0.00
23) Nitrobenzene-d5	7.29	82	817947	84.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	249695	119.69	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1280957	83.72	ng	0.00
78) Terphenyl-d14	12.82	244	850037	64.46	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	23378	2.771	ng	81
10) Phenol	6.37	94	54260	3.951	ng	99
19) n-Nitroso-di-n-propylamine	7.29	70	109828	13.790	ng	# 78
25) Isophorone	7.29	82	817936	42.576	ng	# 64
49) Dimethylphthalate	9.47	163	334466	17.441	ng	99
56) 2,4-Dinitrotoluene	9.75	165	31299	6.519	ng	# 23
62) Azobenzene	10.47	77	294406	15.512	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.55	198	469	5.871	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	16409	4.269	ng	# 1

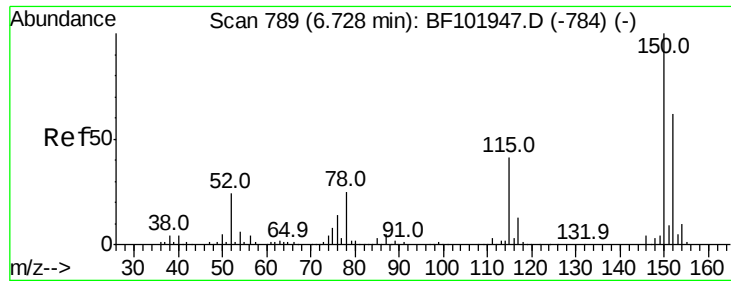
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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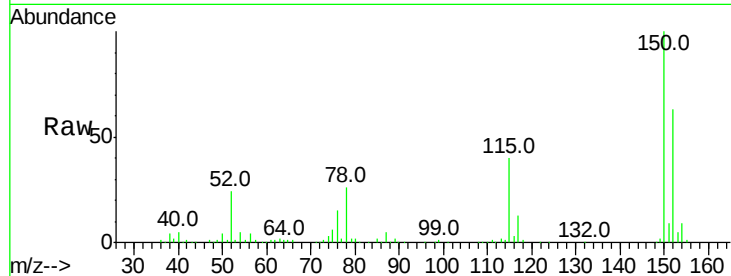


#1

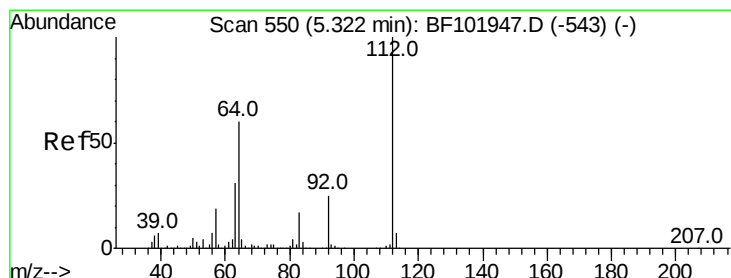
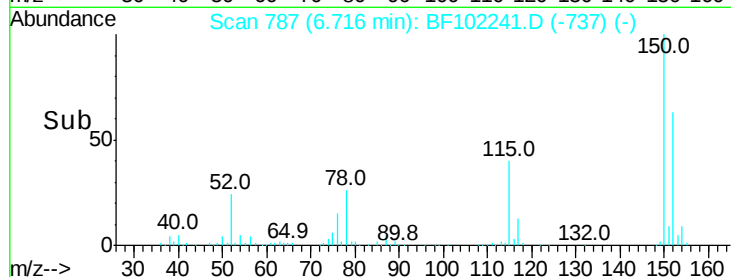
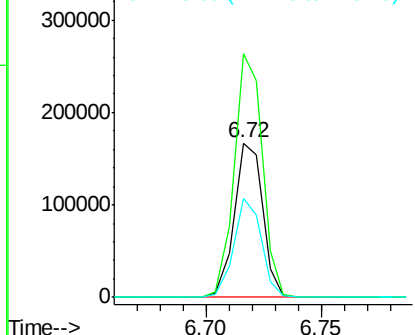
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102241.D
Acq: 20 Jan 2018 2:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143832
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 63.9 50.1 75.1



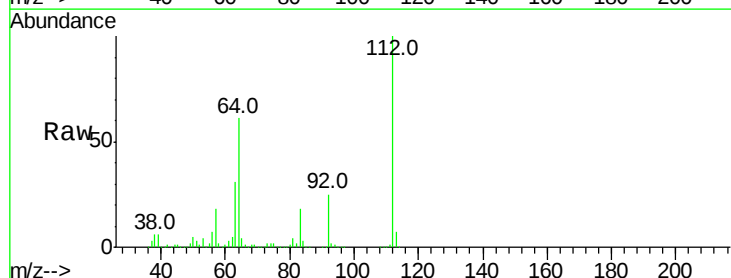
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



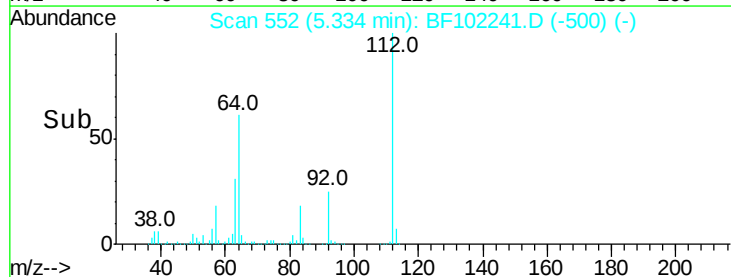
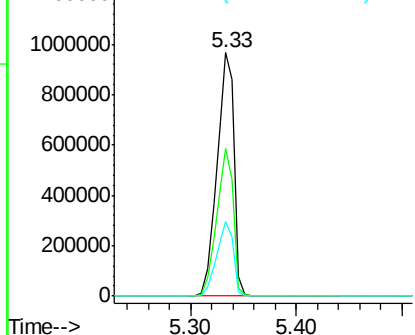
#5

2-Fluorophenol
Concen: 108.000 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102241.D
Acq: 20 Jan 2018 2:25

Tgt Ion:112 Resp: 1100063
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 107.192 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

Instrument :

BNA_F

ClientSampleId :

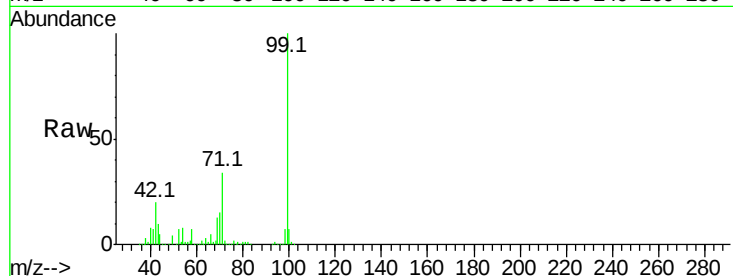
Tot Ion: 99 Resp: 1302675

Ion Ratio Lower Upper

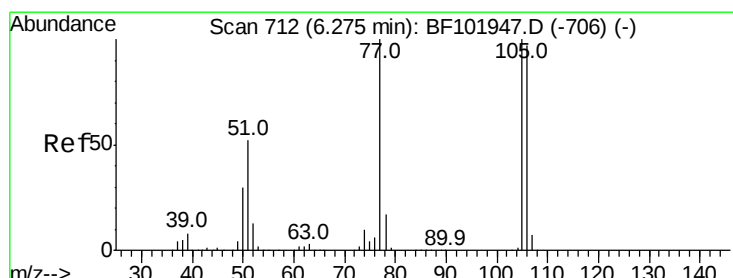
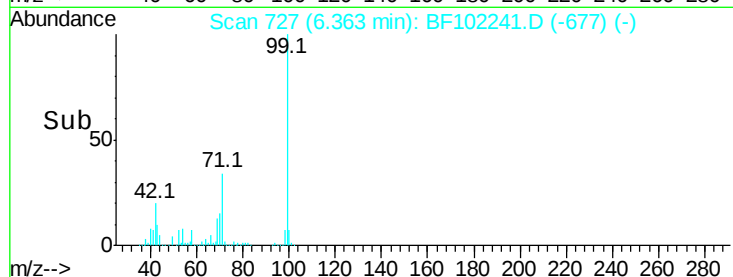
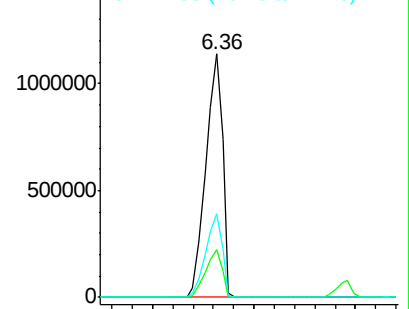
99 100

42 19.6 14.5 21.7

71 34.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.771 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

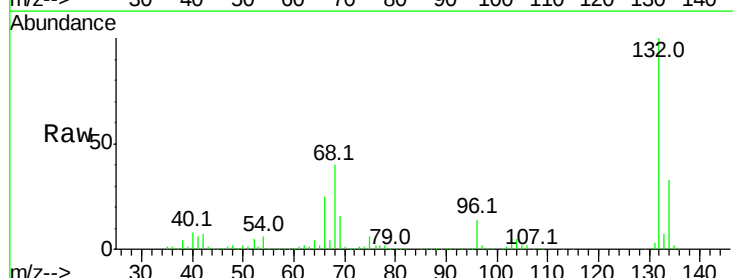
Tgt Ion: 77 Resp: 23378

Ion Ratio Lower Upper

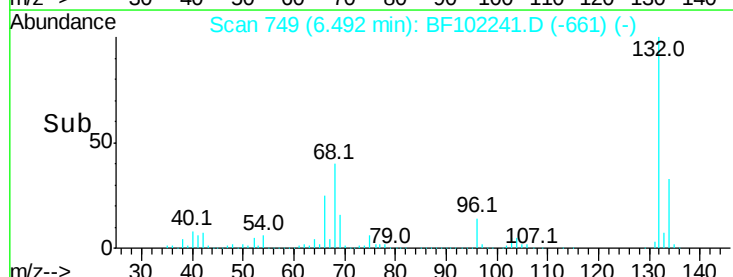
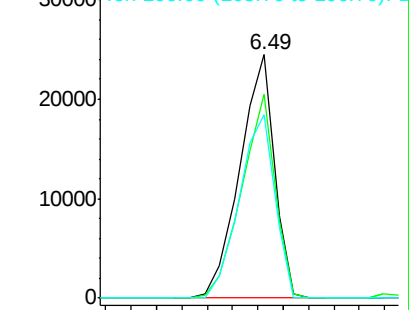
77 100

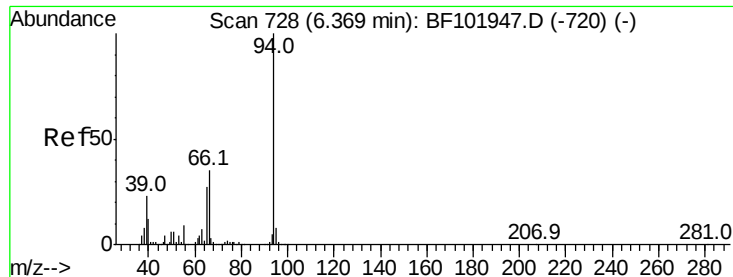
105 83.7 81.1 121.1

106 75.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.951 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

Instrument :

BNA_F

ClientSampleId :

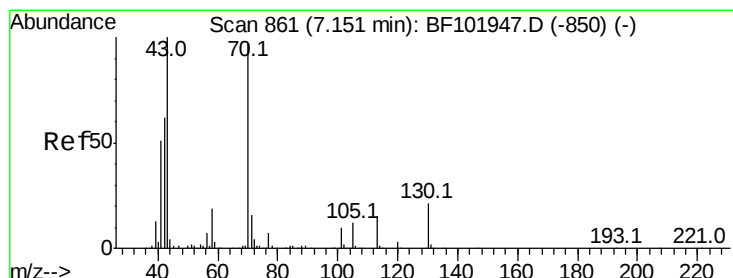
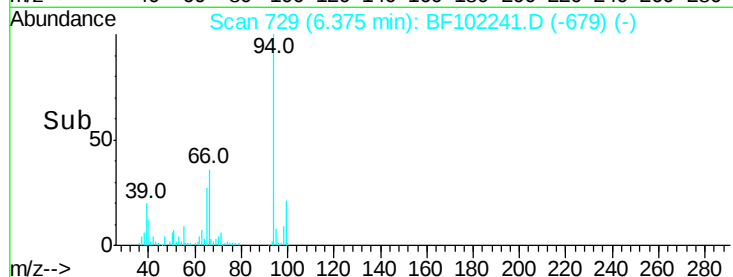
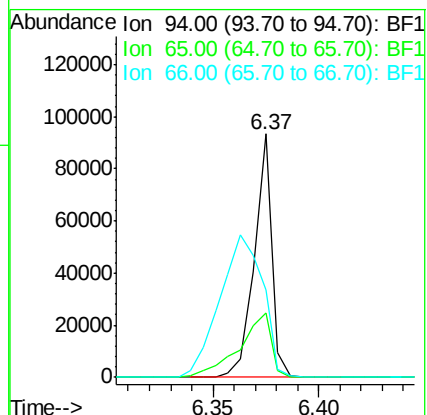
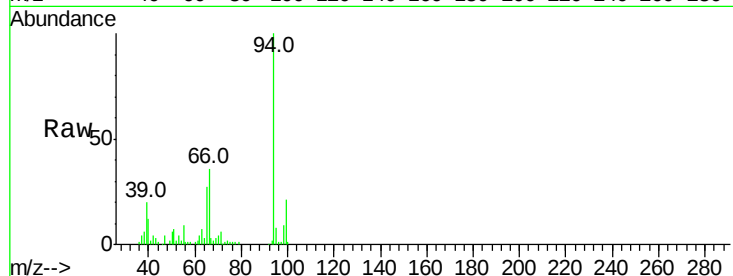
Tot Ion: 94 Resp: 54260

Ion Ratio Lower Upper

94 100

65 26.6 7.9 47.9

66 35.8 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.790 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

Tgt Ion: 70 Resp: 109828

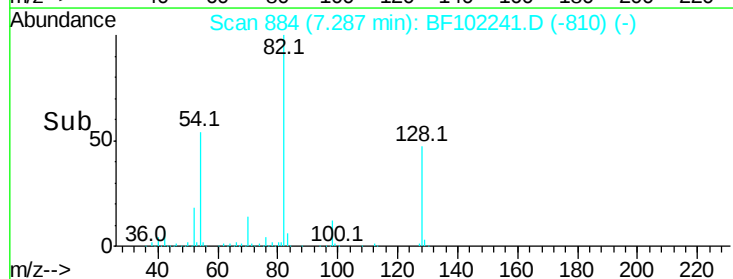
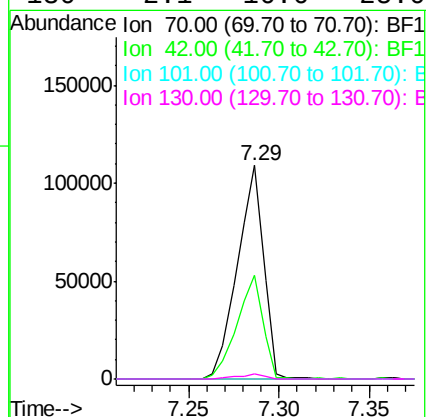
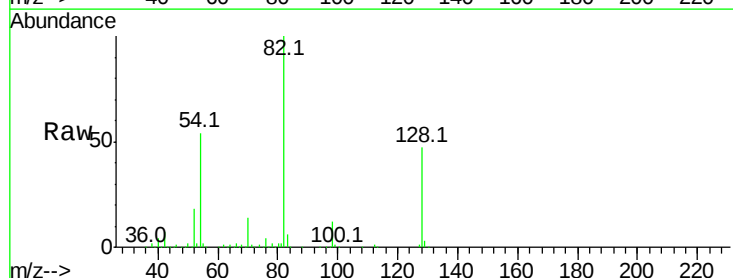
Ion Ratio Lower Upper

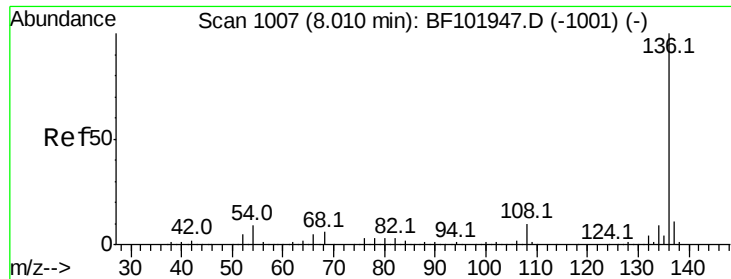
70 100

42 48.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

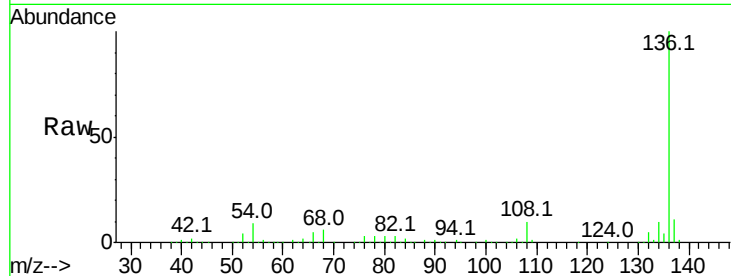




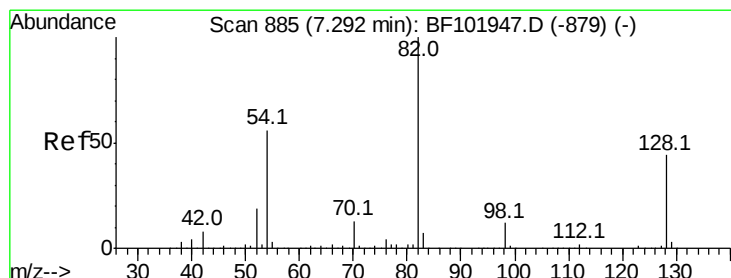
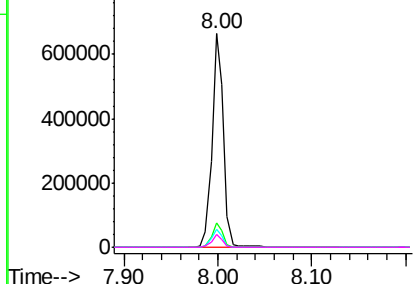
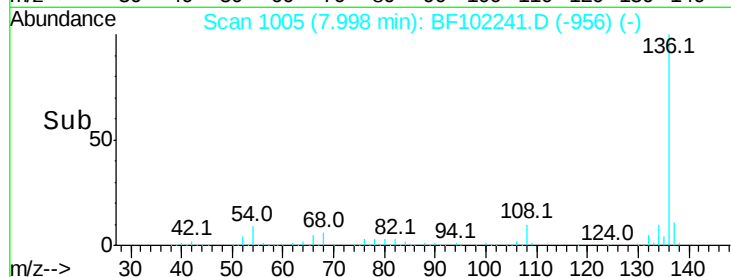
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102241.D
Acq: 20 Jan 2018 2:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	571348
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.6	6.6	9.8
68	5.8	5.0	7.4

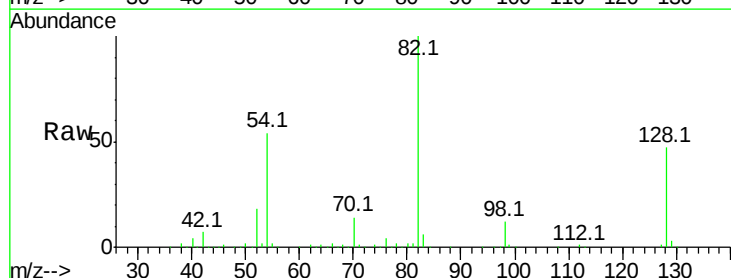


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

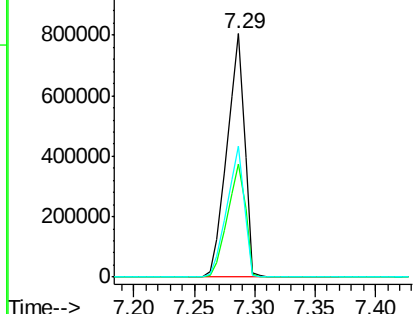
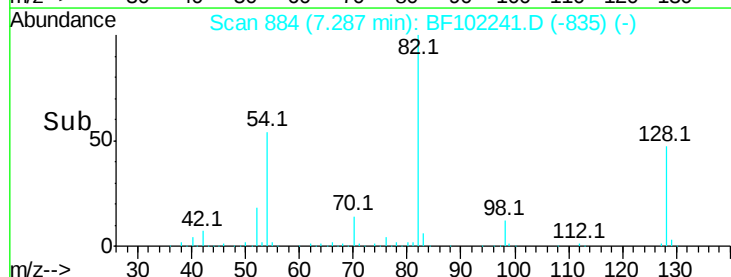


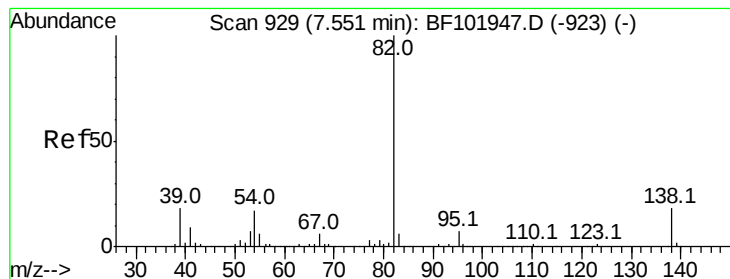
#23
Nitrobenzene-d5
Concen: 84.127 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102241.D
Acq: 20 Jan 2018 2:25

Tgt Ion:	82	Resp:	817947
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	53.9	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.576 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

Instrument :

BNA_F

ClientSampleId :

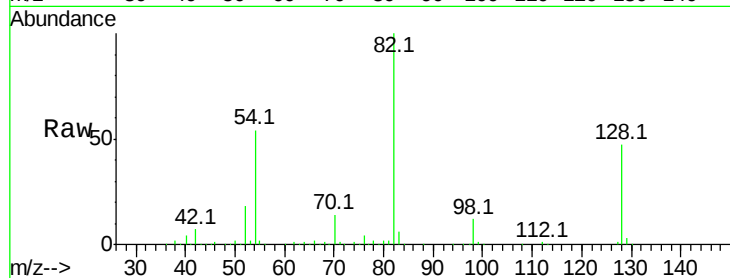
Tot Ion: 82 Resp: 817936

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

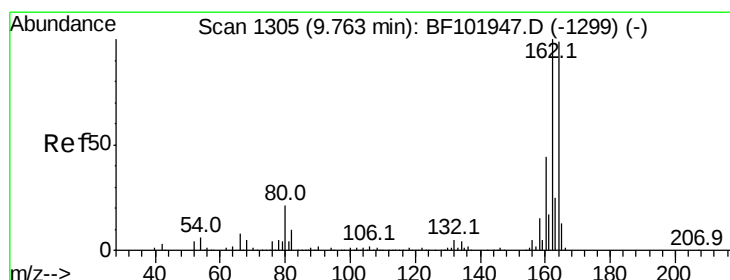
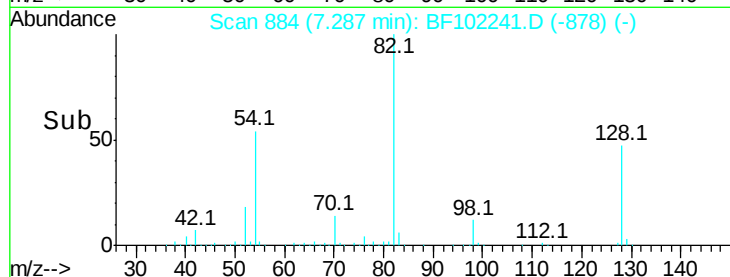
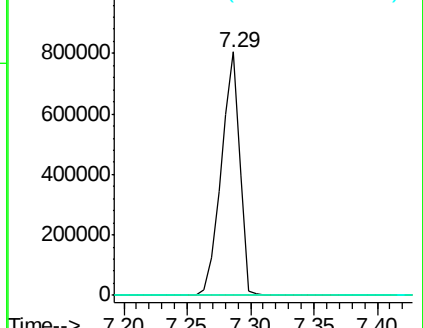
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

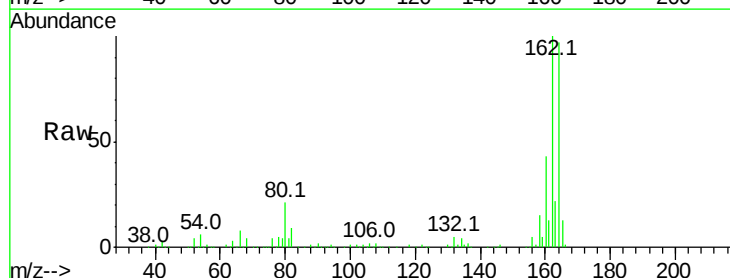
Tgt Ion:164 Resp: 239048

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

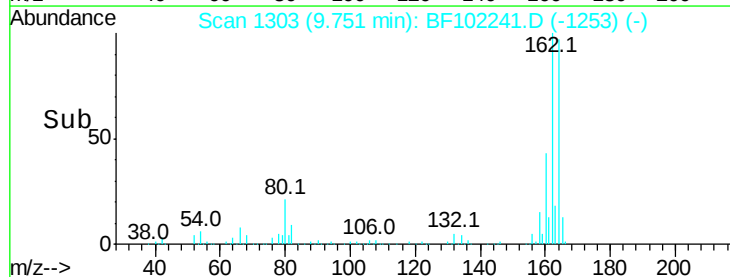
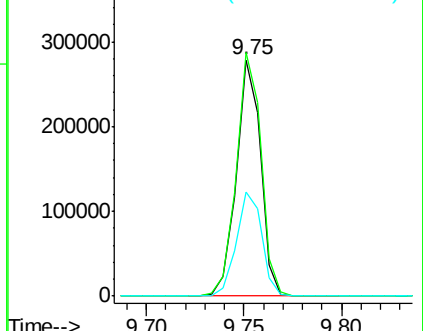
160 44.1 38.3 57.5

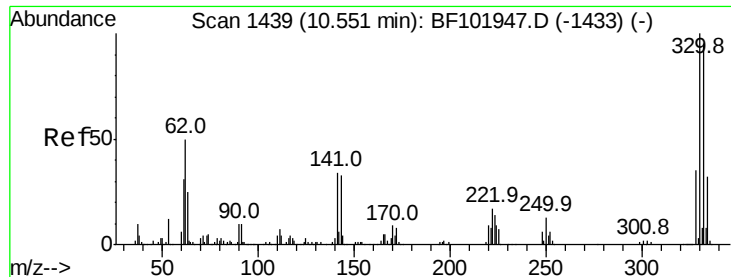


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

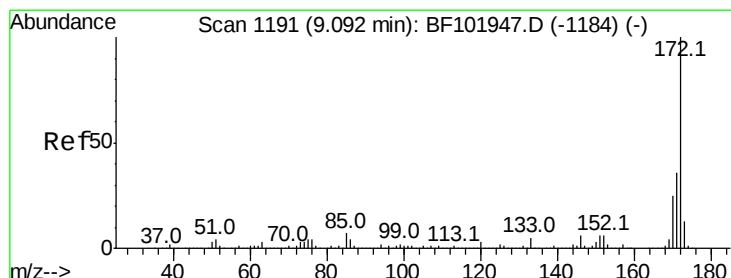
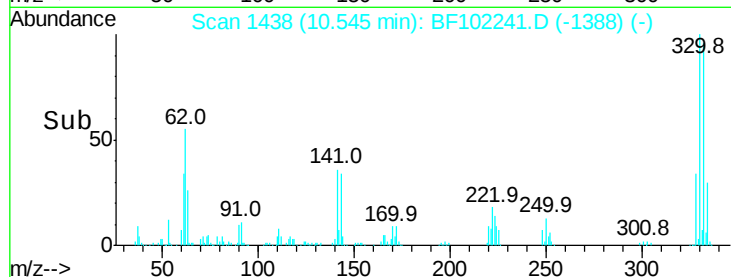
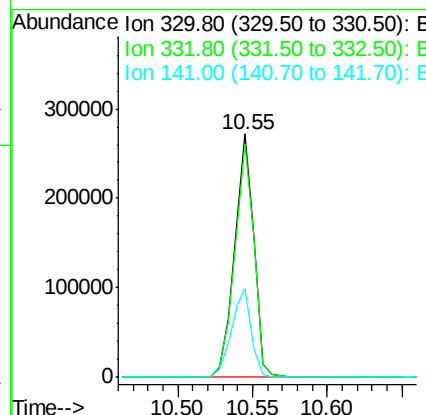
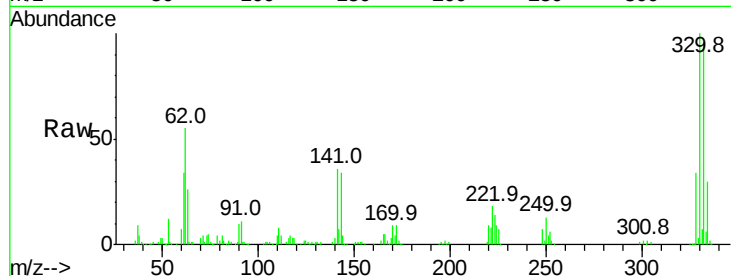




#41
 2,4,6-Tribromophenol
 Concen: 119.692 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102241.D
 Acq: 20 Jan 2018 2:25

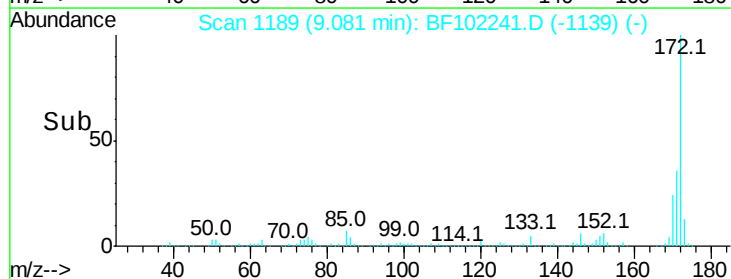
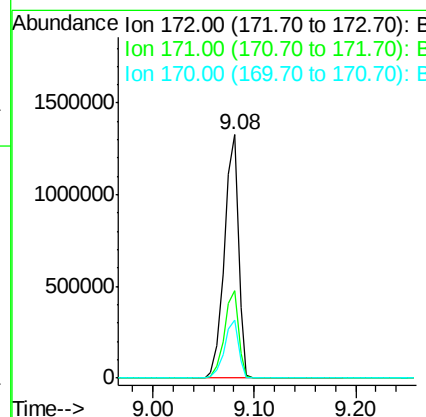
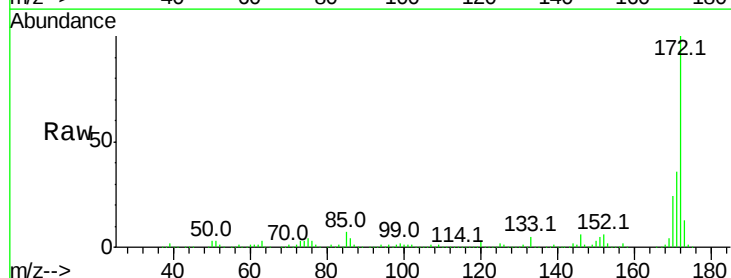
Instrument :
 BNA_F
 ClientSampled :

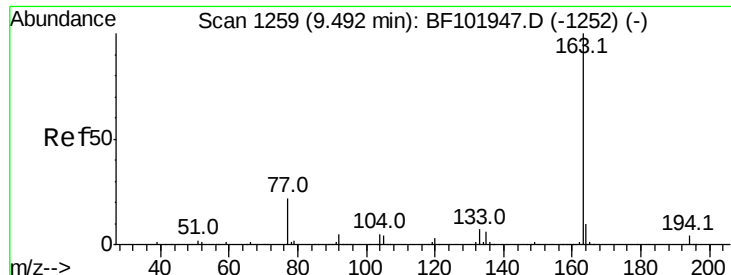
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	37.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 83.715 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102241.D
 Acq: 20 Jan 2018 2:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.1	19.6	29.4

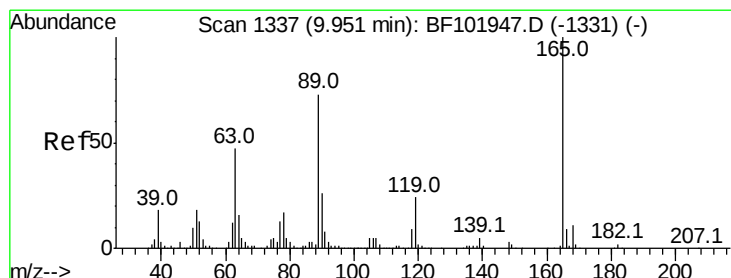
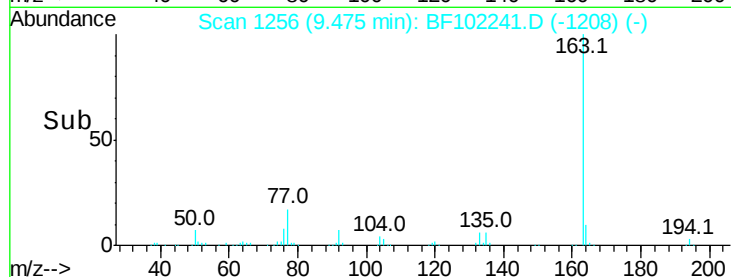
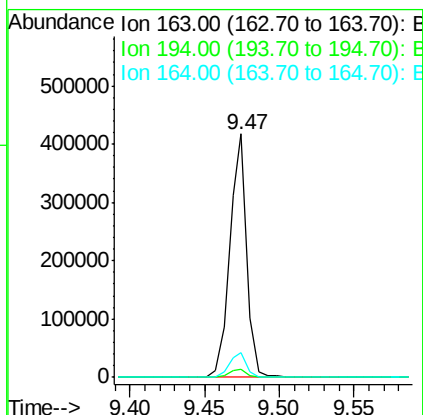
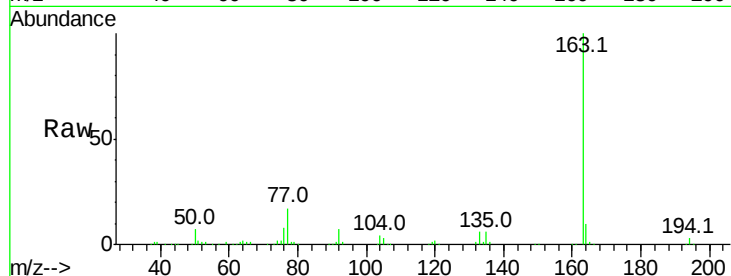




#49
 Dimethylphthalate
 Concen: 17.441 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF102241.D
 Acq: 20 Jan 2018 2:25

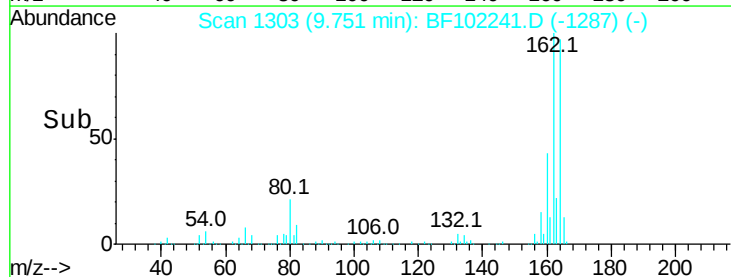
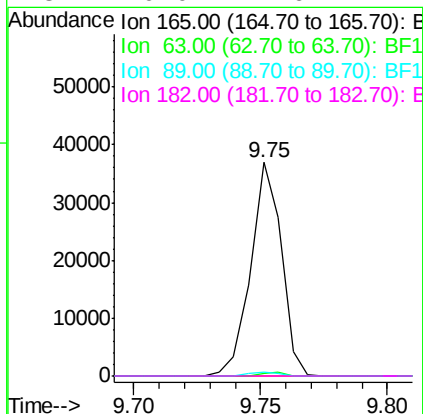
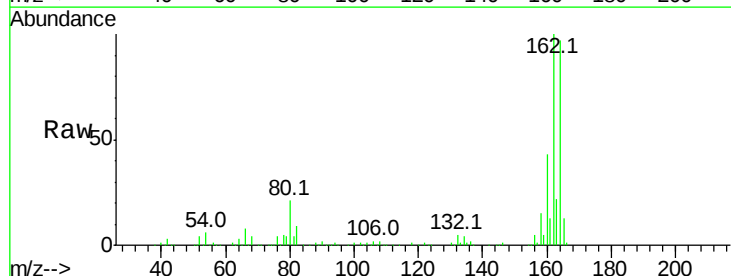
Instrument :
 BNA_F
 ClientSampleId :

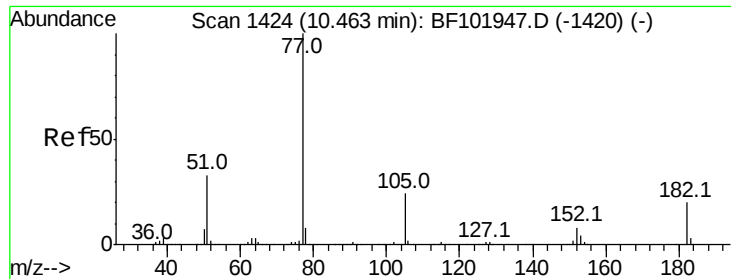
Tot Ion:	163	Resp:	334466
Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.0	8.2	12.2



#56
 2,4-Dinitrotoluene
 Concen: 6.519 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102241.D
 Acq: 20 Jan 2018 2:25

Tgt Ion:	165	Resp:	31299
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 15.512 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 294406

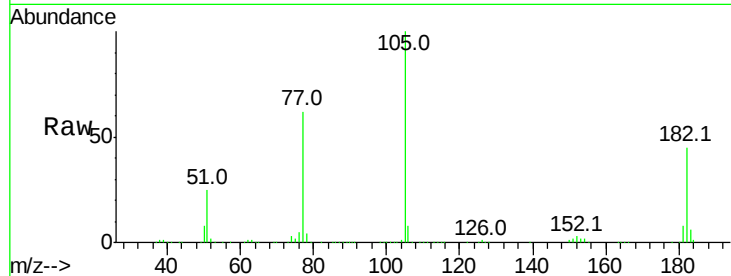
Ion Ratio Lower Upper

77 100

182 71.8 1.7 41.7#

105 160.1 3.0 43.0#

51 40.7 9.9 49.9

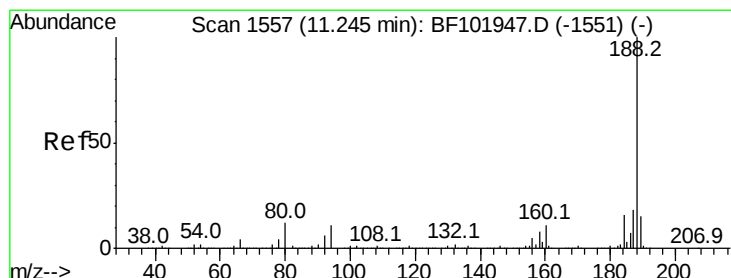
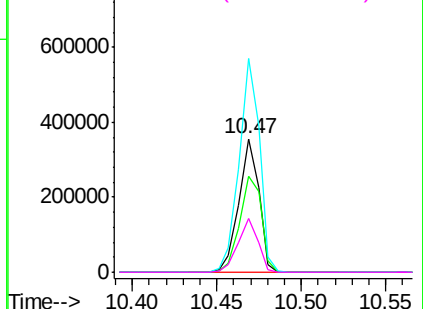
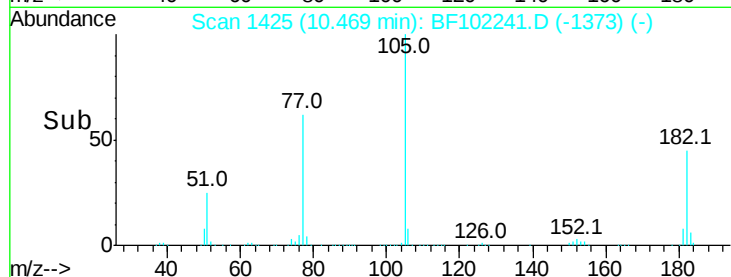


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

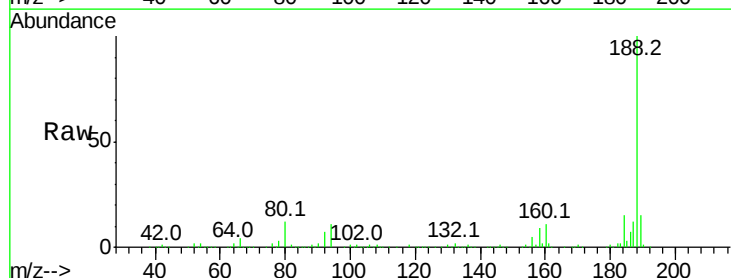
Tgt Ion: 188 Resp: 364008

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

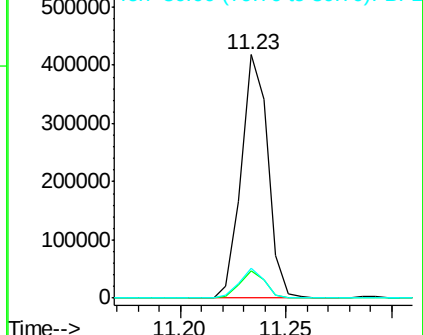
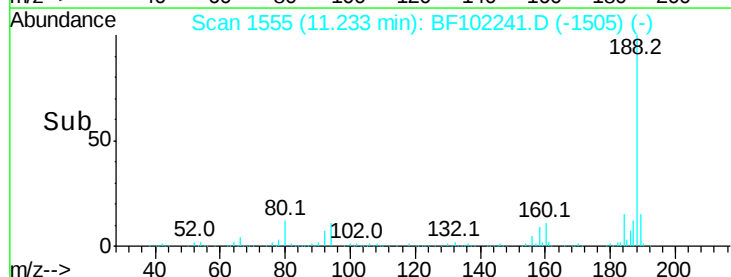
80 12.1 9.2 13.8

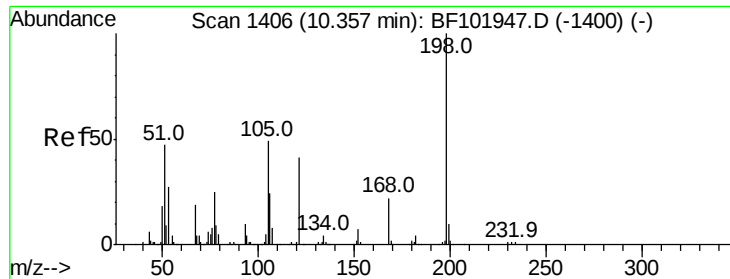


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

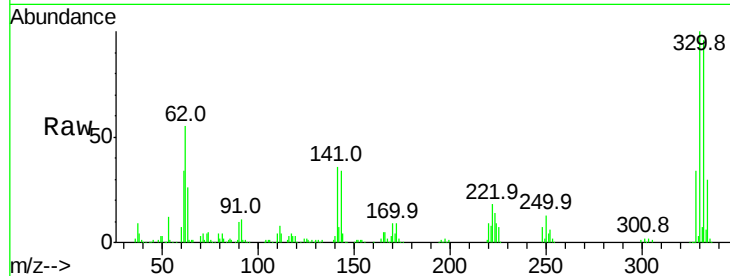




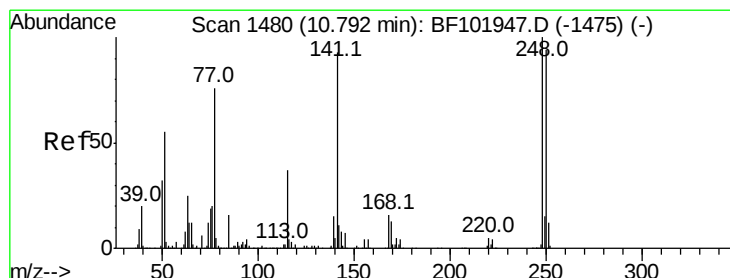
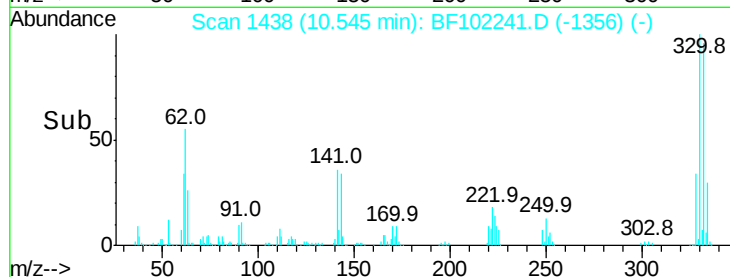
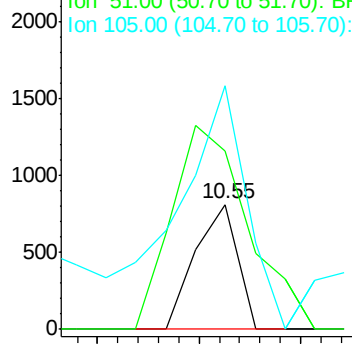
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.871 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF102241.D
 Acq: 20 Jan 2018 2:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 469
 Ion Ratio Lower Upper
 198 100
 51 142.7 37.7 77.7#
 105 195.2 36.3 76.3#

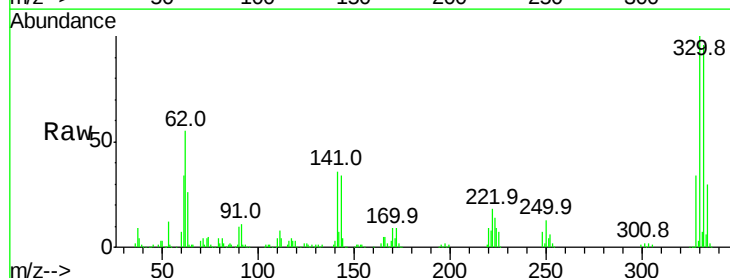


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

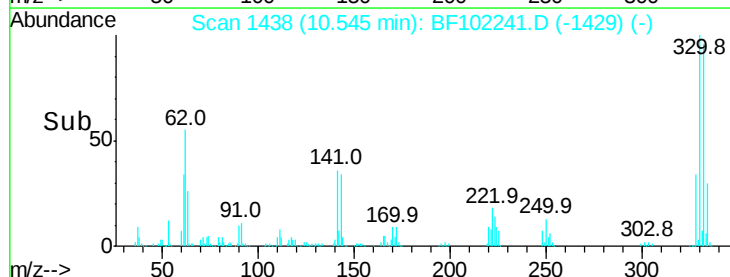
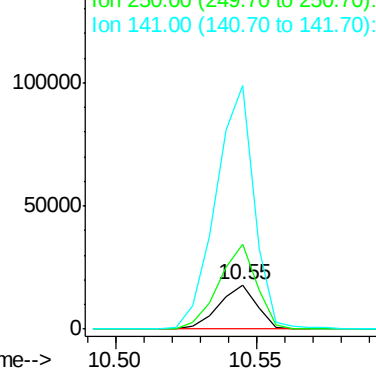


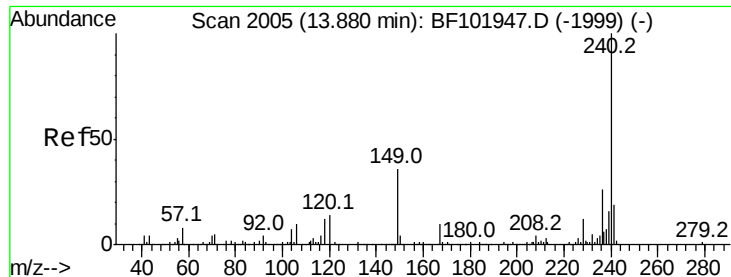
#66
 4-Bromophenyl-phenylether
 Concen: 4.269 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102241.D
 Acq: 20 Jan 2018 2:25

Tgt Ion:248 Resp: 16409
 Ion Ratio Lower Upper
 248 100
 250 192.5 76.9 115.3#
 141 550.7 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

Instrument :

BNA_F

ClientSampleId :

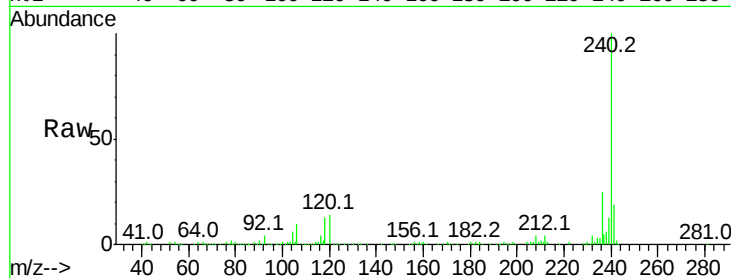
Tot Ion:240 Resp: 273785

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

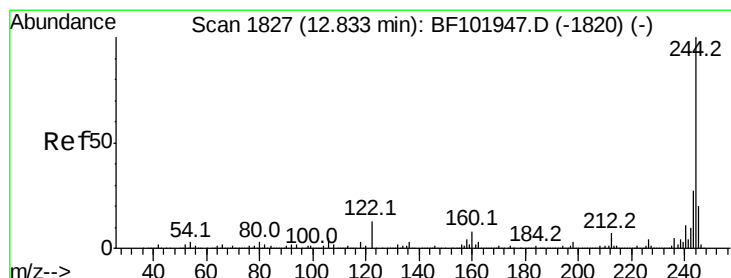
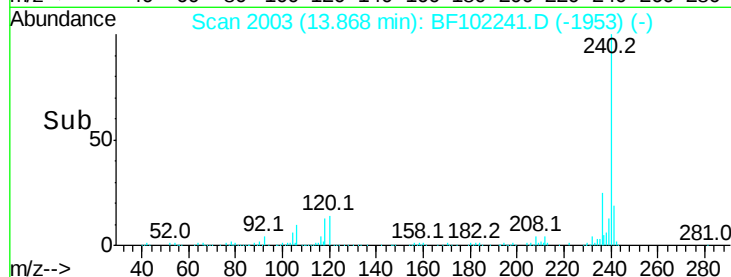
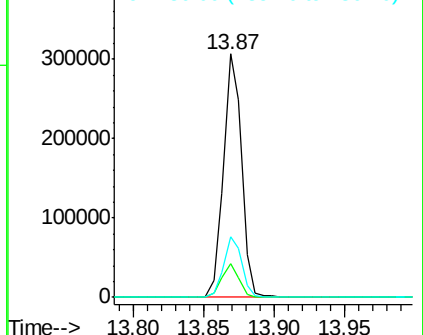
236 24.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 64.463 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102241.D

Acq: 20 Jan 2018 2:25

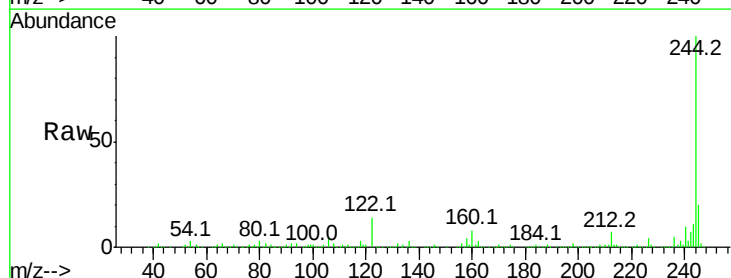
Tgt Ion:244 Resp: 850037

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

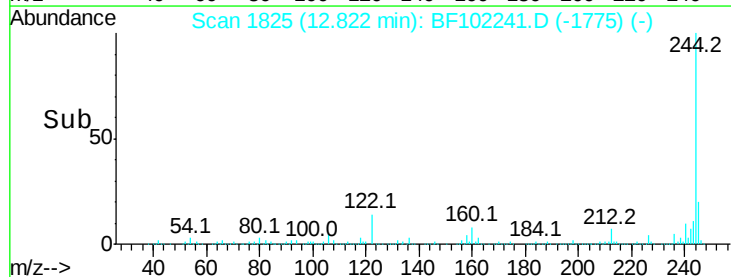
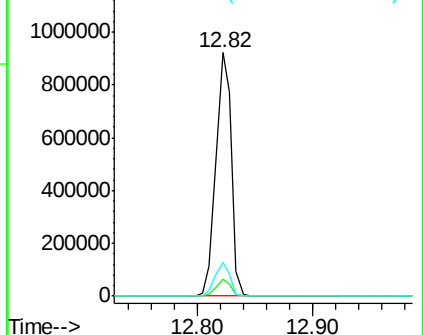
122 14.0 11.0 16.4

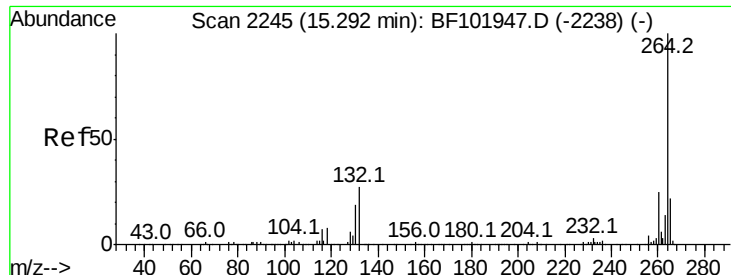


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

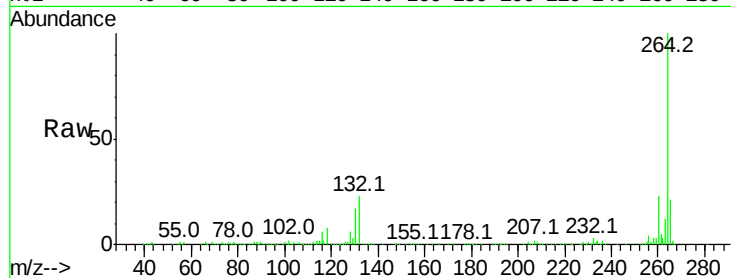




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BF102241.D
Acq: 20 Jan 2018 2:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.8	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

